



RM-12

This powered subwoofer leaves nothing to be desired. The RM-12 uses a robust, 500 watt, black anodized aluminum woofer, driven by a powerful A/B amplifier built exclusively for this cabinet and driver array.

The RM-12 sounds fantastic with all TruAudio architectural speakers, making combining different models in an AV system simple. Additional speakers can be added to a system with the confidence that the speakers will remain balanced. With over 2 years of engineering and testing, the RM-12 completes the TruAudio theater package.

Contents

The RM-12 includes: Subwoofer cabinet and grill, power cord, instruction manual, a warranty card, and (4) heavy-duty plastic feet attached to the bottom of the cabinet.

Unpacking and Inspection

Inspect your subwoofer immediately upon opening for any kind of damage. If for some reason damage has occurred, please contact your Dealer or TruAudio immediately. We recommend that you retain the packaging in case a need arises for you to transport your speaker.

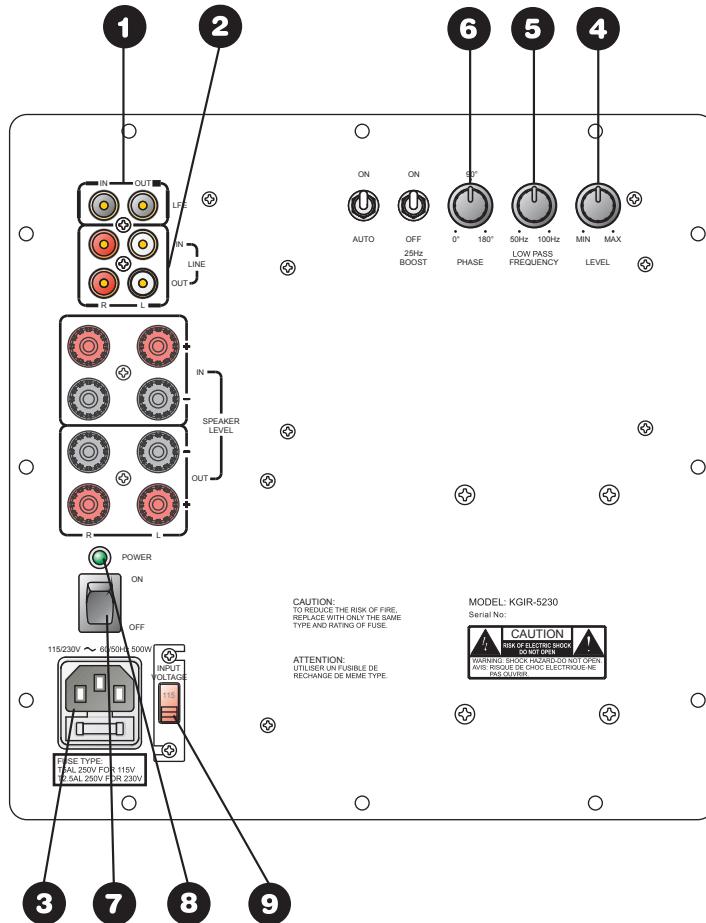
CAUTION: DO NOT OPEN THE SUBWOOFER. THIS WILL VOID THE WARRANTY.

To reduce the risk of electrical shock and fire, do not remove the amplifier panel from the back of the cabinet or the subwoofer from the front of the cabinet. There are NO fuses or serviceable parts. All service to this product MUST be done by a TruAudio Authorized repair center.

Before installing, please read the following instructions:

- Always turn off the power of your receiver/preamp and the powered subwoofer
- When turning your amplifier/receiver on, make sure your volume is turned all the way down
- Never expose the subwoofer to excessive cold, heat, humidity, or direct sunlight
- This device should never be used in, on or near water due to risk of fatal shock
- DO NOT attempt to open or dismantle this subwoofer
- The subwoofer should always have plenty of air flow to reduce the chance of over heating

Controls



INPUT CONNECTIONS

1. LFE Direct Input

RCA jack that will accept a signal from the mono LFE (Low Frequency Effects) output on a pre-amp or receiver that is equipped with a dedicated sub bass output. This input bypasses the amplifier's own internal low pass filter circuitry, relying instead on the processed output provided by the source equipment. This would be the recommended connection for most home theatre surround sound receivers and pre-amps. We would also suggest the use of the LFE input when an external line level electronic crossover or frequency dividing network is used.

2. Left/Right Inputs

RCA style jacks that will accept standard line level inputs from a pre-amp level source. They will accept a stereo signal and internally combine it into mono. Both left and right input jacks must be connected to the source in order to drive the amplifier to full output. The use of a "Y" cord is suggested if a mono source is all that is available.

3. Power Input

This unit features an IEC grounding type power input connector. The IEC inlet connector also features an integrated fuse holder that contains the AC line fuse. For 230 V input, remove the fuse holder, swap fuses, and re-install. In most 230 V applications a separate power cord will be required and is not included.

CONTROLS/INDICATORS

4. Level

Match the amplifier's input sensitivity to the output of the pre-amp source. If the source output has a variable control, we recommend that the user spend a moment or two determining the best balance between the two controls. When a balance is found between low noise, linear level control, and sufficient level to drive the amp to the required output, the level knob can be considered to be the "volume control" for the subwoofer system.

5. Low Pass Frequency

This control is used to establish the highest frequency that the subwoofer will reproduce and has a range between 50 and 100 Hz. Experiment with the amount of "overlap" that you will experience when all speakers are playing in the same range. This can be helpful when integrating the subwoofer with the rest of the system and with the room.

6. Phase

This knob helps to compensate for differences in the acoustical and electrical characteristics between the subwoofer and the main system speakers. The relative locations of speakers in the system can cause significant disturbances in speaker interaction due to time delay issues, or the destructive phase interferences that can occur at certain frequencies.

7. Power Switch

This switch manually turns the unit on and off. When switched to the on position, the unit will first turn on and be fully operational. After a period of 10-15 minutes without a signal the unit will go into "stand by" mode.

8. Power LED

When the LED is illuminated green, the amp is in "stand by" mode.

9. Input Voltage Switch

Switches the amp between 115v and 230v for use in different countries or regions.

NOTES ABOUT HUM

While this amplifier has been designed to minimize the possibility of hum in the subwoofer system, it is still possible that a hum may occur in rare circumstances. Safety grounding can create a path for small amounts of 60 Hz energy to travel through the line-level audio system. While not dangerous, this energy can cause difficulty with the subwoofer auto signal sensing circuit, and will interfere with the quiet enjoyment of your system. The first course of action should be trying to make sure that all of the audio components are connected to either the same electrical outlet, or at least into the same circuit branch. Next, cable TV systems are notoriously the culprit, so be sure to try disconnecting all coaxial feeds that are connected to the system. If this solves the problem, install a coaxial line isolator and reconnect the system. Worst case, a line-level audio isolator/transformer connected to the line-in of the subwoofer amplifier can usually solve the problem.

Cleaning the Subwoofer

All RM series subwoofers feature lightly textured, durable paint finish. When needed, we suggest cleaning with a damp cloth with water only. Do not use any kind of abrasive cleaners or detergents.



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Specifications

Speaker Type:	High-end Powered Subwoofer
Enclosure Design:	Front firing, ported cabinet, internally braced
Driver:	12" black anodized aluminum cone, cast basket, long excursion, 2.5" 2-layer voice coil.
Power, class D:	500 watt into 4 ohms with internal amplifier
Frequency Range, Line In:	20-220 Hz (+/-3 dB)
Frequency Range, LFE:	20-230 Hz (+/-3 dB)
Input Sensitivity, Low Level:	150 mV (max) @ 100 Hz
Input Sensitivity, High Level:	3.5 V (max) @ 100 Hz
Inputs:	Line level RCA, speaker level w/banana plugs, LFE line level RCA
Outputs:	Line level RCA, speaker level banana plugs
Amplifier Protection:	Output protection circuit with relay
Cabinet:	Real wood veneer, Built in St. George, UT
Cabinet Dimensions:	17.7" High (including feet) 17.0" Wide 16.2" Deep
Grill:	Frame wrapped in black speaker cloth
Available Colors:	Black in stock. Other colors available with 3 week lead time.

SoundVision Technologies dba TRUAUDIO

SUBWOOFER and ELECTRONIC PRODUCT WARRANTY

All subwoofers and amplifiers have a limited 5 year warranty. This warranty includes 5 year parts and repair labor on all components. The warranty extends only to the original purchaser of the product and not to any subsequent owner. TRUAUDIO's obligation under these warranties is limited to repairing or replacing any component found defective in material or workmanship under normal conditions of use with an equal and/or current product. These warranties shall not apply to products which have been abused, modified, or disassembled. Products to be repaired or returned under this warranty must be returned to the factory through an authorized TruAudio dealer with all transportation and insurance charges prepaid.

It is the policy of TRUAUDIO to continuously incorporate improvements into our products. All specifications are subject to change without notice. If you have any questions regarding this or any other TRUAUDIO products, please visit www.TruAudio.com or contact us:

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